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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: MARK BERCH Examiner #: 59193 Date: 1/24/06
Art Unit: 1624 Phone Number: 2-0663 Serial Number: 10791910
Location (Bldg/Room#): 5C01 (Mailbox #): 5C18 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

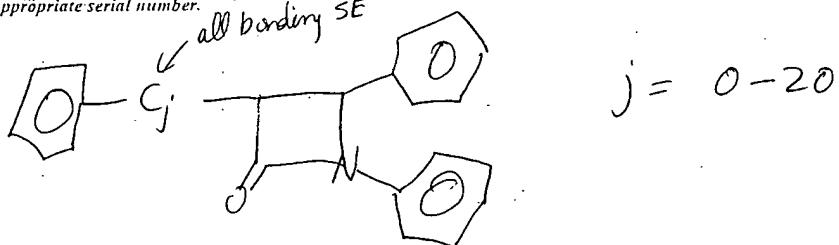
Inventors (please provide full names): _____

Earliest Priority Date: _____

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

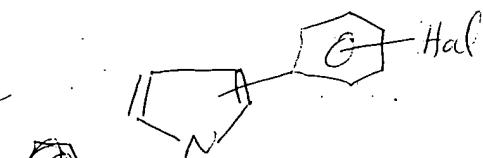


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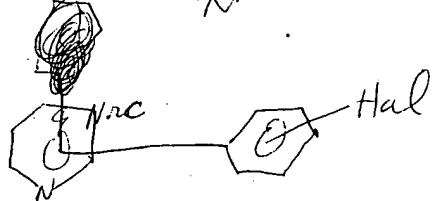
Compound must have ^{one of} ~~the~~ fragments:



or



or



STAFF USE ONLY

Searcher: lwl

Type of Search

Vendors and cost where applicable

380-23 STN Dialog

Searcher Phone #: _____

NA Sequence (#)

Questel/Orbit Lexis/Nexis

Searcher Location: _____

AA Sequence (#)

Westlaw WWW/Internet

Date Searcher Picked Up: 2/3/06

Structure (#)

In-house sequence systems

Date Completed: 2/3/06

Bibliographic

Commercial Oligomer Score/Length

Searcher Prep & Review Time: 60

Litigation

Interference SPDI Encode/Transl

Online Time: 50

Fulltext

Other (specify)

Other

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FILE 'HCAPLUS' ENTERED AT 13:43:49 ON 03 FEB 2006
L1 1 S US20040198700/PN
SEL RN

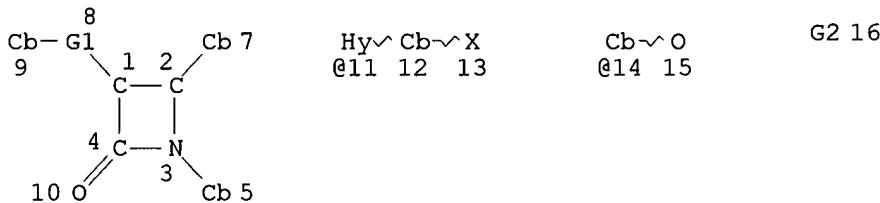
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L3 STR

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SAV L5 BER910/A

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L7 3 S L5

=> d que 17
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REP G1=(0-20) C

VAR G2=11/14

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GGCAT IS PCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M4-X5 C M1-X2 N AT 11
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GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

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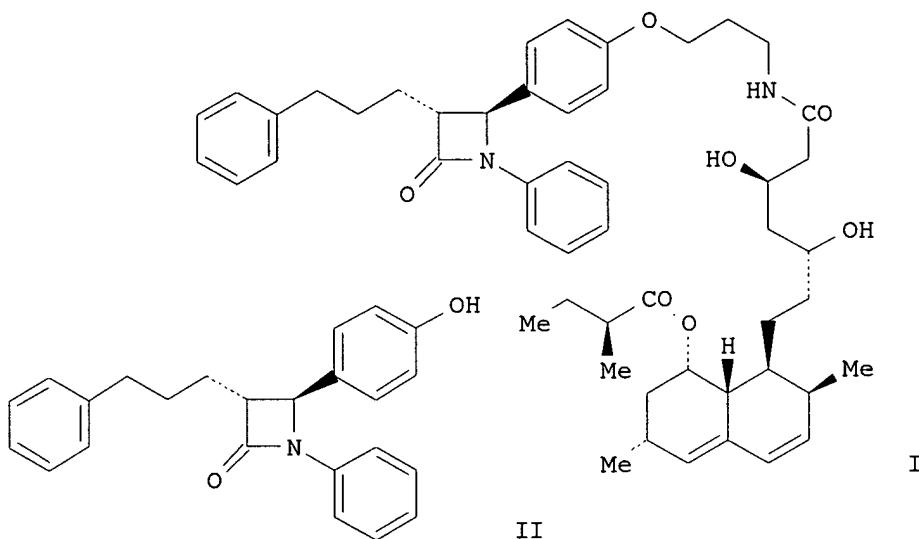
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L7 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:780695 HCAPLUS
 DOCUMENT NUMBER: 141:277408
 TITLE: Preparation of azetidinones for use in pharmaceutical compns. for treatment of vascular diseases
 INVENTOR(S): Burnett, Duane A.; Clader, John W.; Vaccaro, Wayne
 PATENT ASSIGNEE(S): Schering Corporation, USA
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004081002	A1	20040923	WO 2004-US6546	2004 0303
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US 2004198700	A1	20041007	US 2004-791910	2004 0303
EP 1601668	A1	20051207	EP 2004-716953	2004 0303
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PRIORITY APPLN. INFO.:			US 2003-452809P	P 2003 0307
			WO 2004-US6546	W 2004 0303

OTHER SOURCE(S): MARPAT 141:277408
 GI



AB This invention provides for pharmaceutical formulations and processes for preparing substituted azetidinone compds. of the general form G-L-M [G = azetidinone moiety; L = linking group, such as -O(CH₂)₃NH- or -OCO(CH₂)₂NH-; M = pharmaceutically active moiety, such as lovastatin or simvastatin], for use in the treatment of vascular conditions such as atherosclerosis or hypercholesterolemia, and for treating Alzheimer's disease, diabetes, obesity, stroke, demyelination and for lowering plasma levels of sterols, stanols and/or cholesterol and for regulating levels of amyloid β peptides. Thus, azetidinone I was prepared via a multistep synthetic sequence starting from the corresponding phenolic azetidinone II, 3-benzyloxy-1-propanol and lovastatin. The prepared azetidinones were evaluated for hypercholesterolemic activity using Golden Syrian hamster as an in vivo model.

IT
 760972-15-4P 760972-16-5P 760972-17-6P
 760972-18-7P 760972-19-8P 760972-20-1P
 760972-21-2P 760972-22-3P 760972-23-4P
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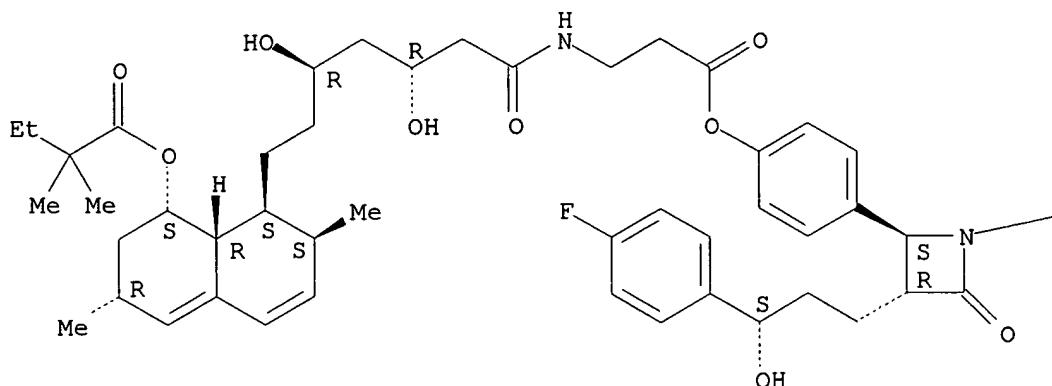
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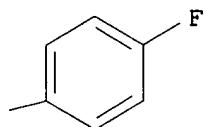
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Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

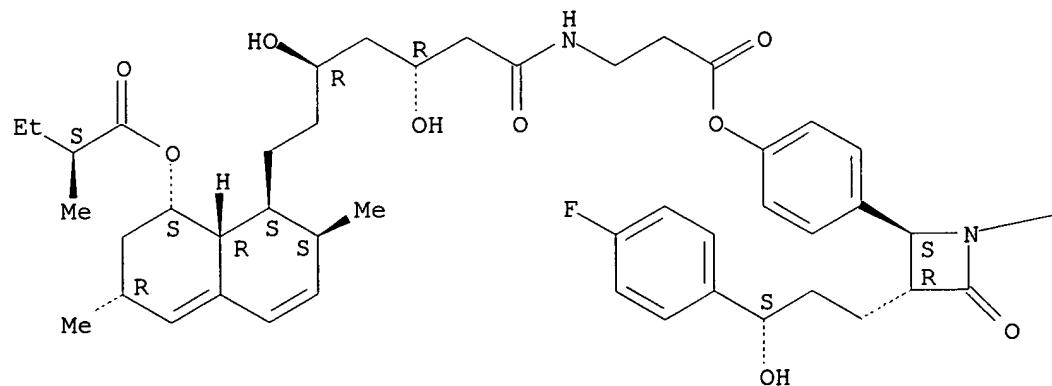


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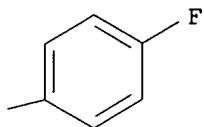
CN β -Alanine, N-[(3R,5R)-7-[(1S,2S,6R,8S,8aR)-1,2,6,7,8,8a-hexahydro-2,6-dimethyl-8-[(2S)-2-methyl-1-oxobutoxy]-1-naphthalenyl]-3,5-dihydroxy-1-oxoheptyl]-, 4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

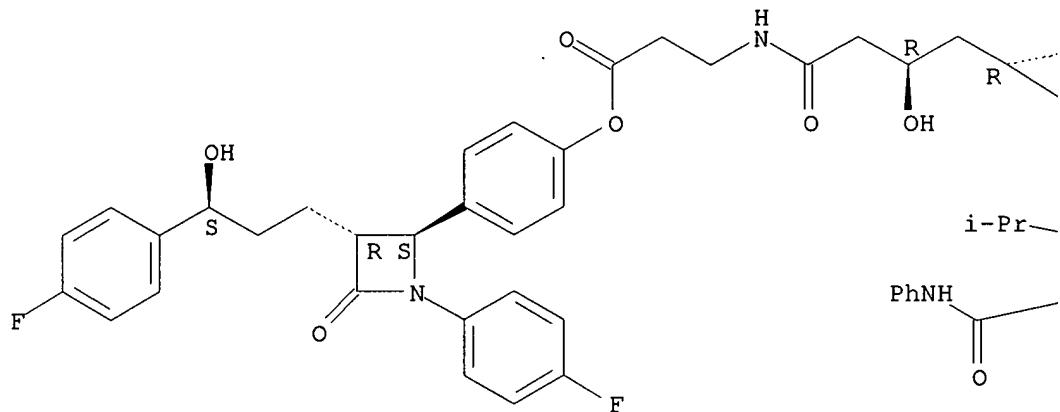


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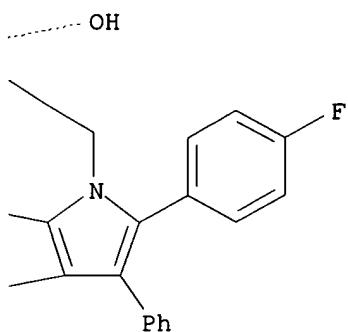
CN β -Alanine, N-[(3R,5R)-7-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]-3,5-dihydroxy-1-oxoheptyl]-, 4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



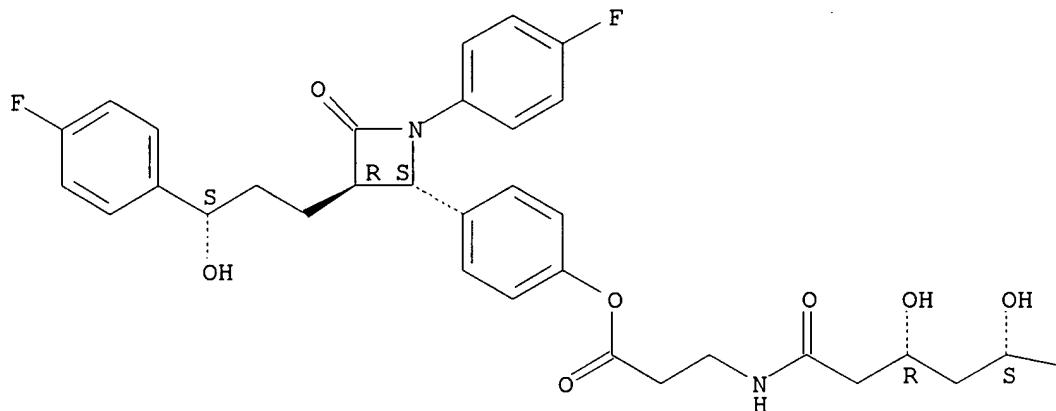
RN 760972-18-7 HCAPLUS

CN β -Alanine, N-[$(3R,5S,6E)$]-7-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[methyl(methylsulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy-1-oxo-6-heptenyl-, 4-[$(2S,3R)$]-1-(4-fluorophenyl)-3-[$(3S)$]-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

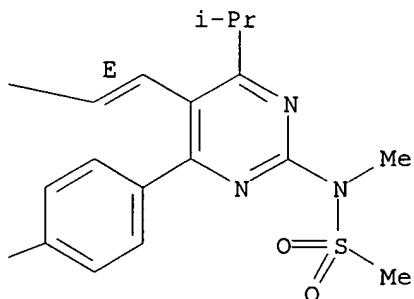
Double bond geometry as shown.

PAGE 1-A



F

PAGE 1-B

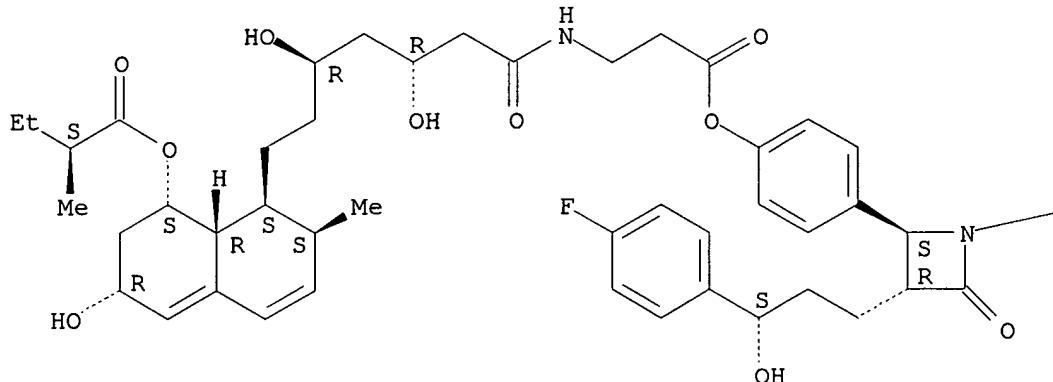


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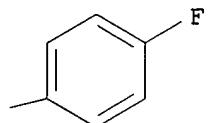
CN β -Alanine, N-[(3R,5R)-7-[(1S,2S,6R,8S,8aR)-1,2,6,7,8,8a-hexahydro-6-hydroxy-2-methyl-8-[(2S)-2-methyl-1-oxobutoxy]-1-naphthalenyl]-3,5-dihydroxy-1-oxoheptyl]-, 4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



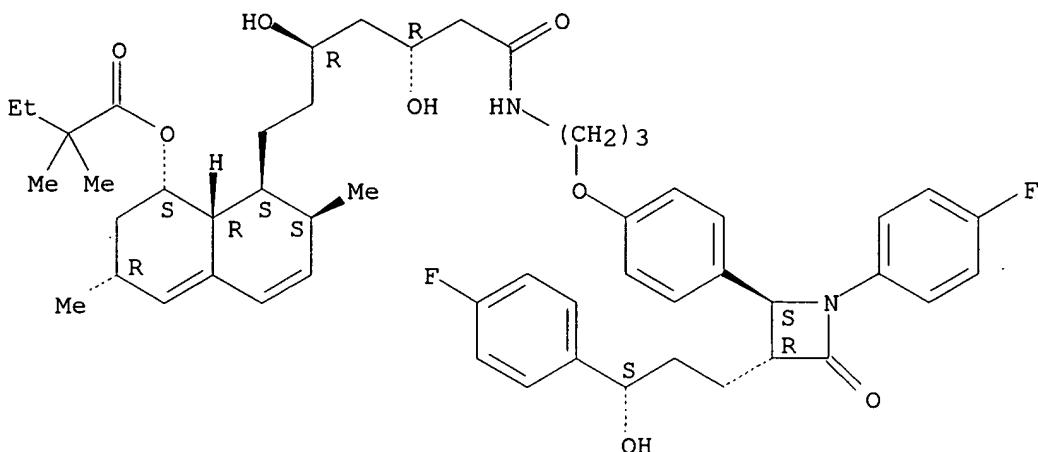
PAGE 1-B



RN 760972-20-1 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, (1S,3R,7S,8S,8aR)-8-[(3R,5R)-7-[(3-[(4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]propyl)amino]-3,5-dihydroxy-7-oxoheptyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl ester (9CI) (CA INDEX NAME)

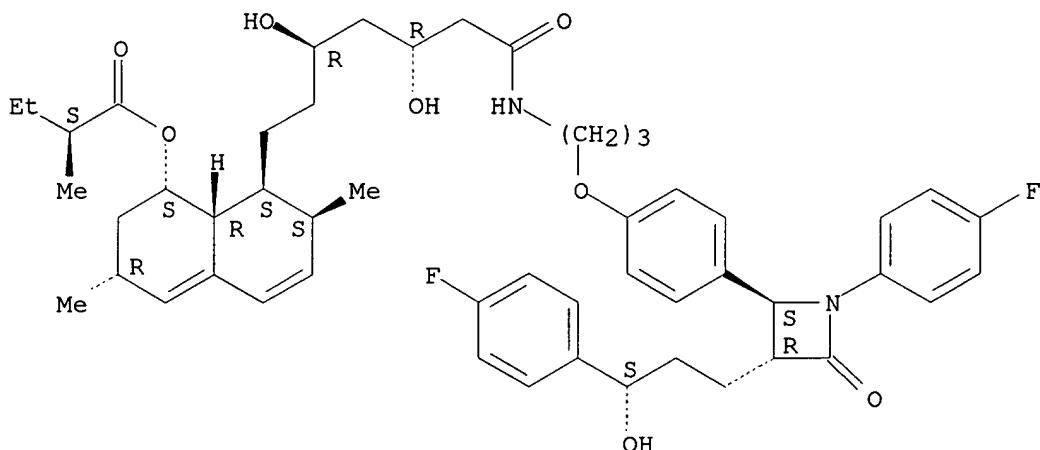
Absolute stereochemistry.



RN 760972-21-2 HCPLUS

CN Butanoic acid, 2-methyl-, (1S,3R,7S,8S,8aR)-8-[(3R,5R)-7-[[3-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]propyl]amino]-3,5-dihydroxy-7-oxoheptyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl ester, (2S)- (9CI) (CA INDEX NAME)

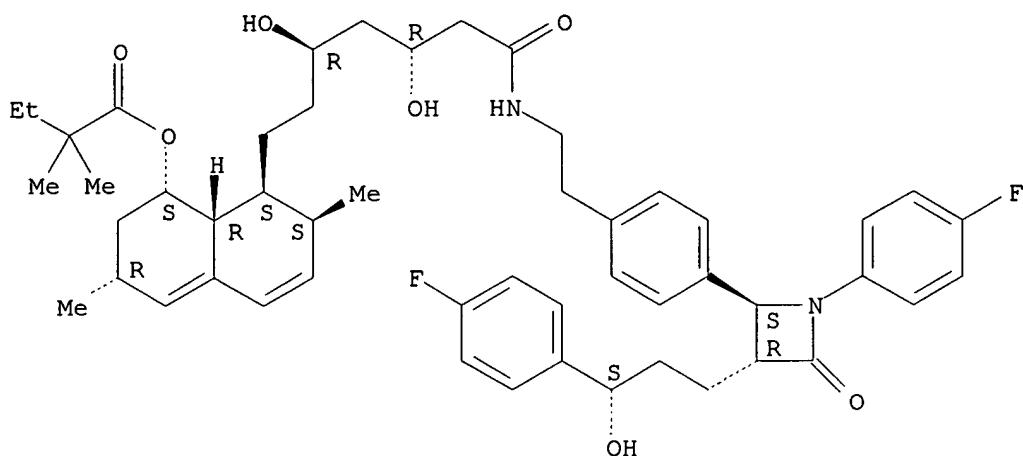
Absolute stereochemistry.



RN 760972-22-3 HCPLUS

CN Butanoic acid, 2,2-dimethyl-, (1S,3R,7S,8S,8aR)-8-[(3R,5R)-7-[[2-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenyl]ethyl]amino]-3,5-dihydroxy-7-oxoheptyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

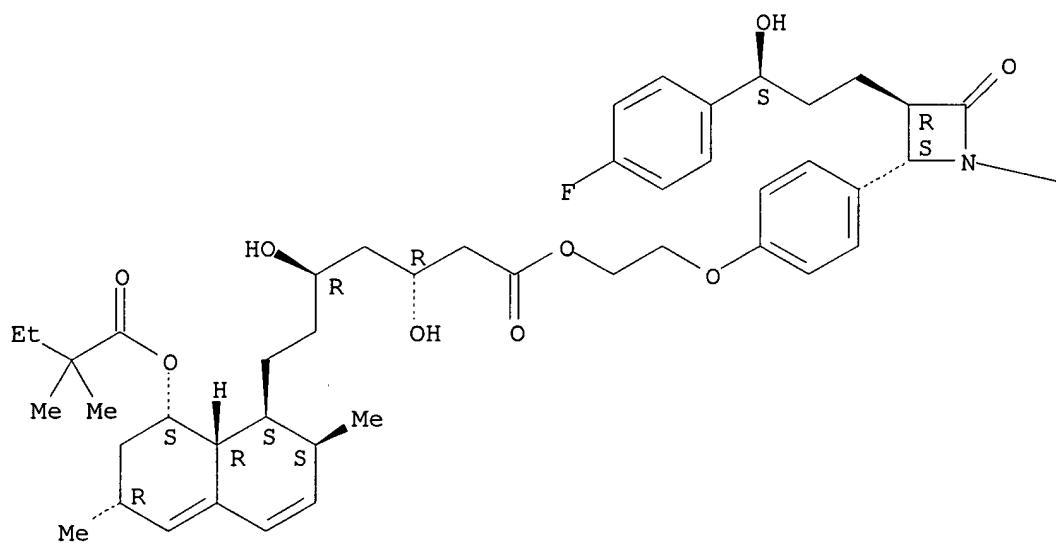


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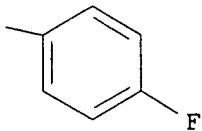
CN 1-Naphthaleneheptanoic acid, 8-(2,2-dimethyl-1-oxobutoxy)-
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 2-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-
 hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]ethyl ester,
 (β R,8R,1S,2S,6R,8S,8aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



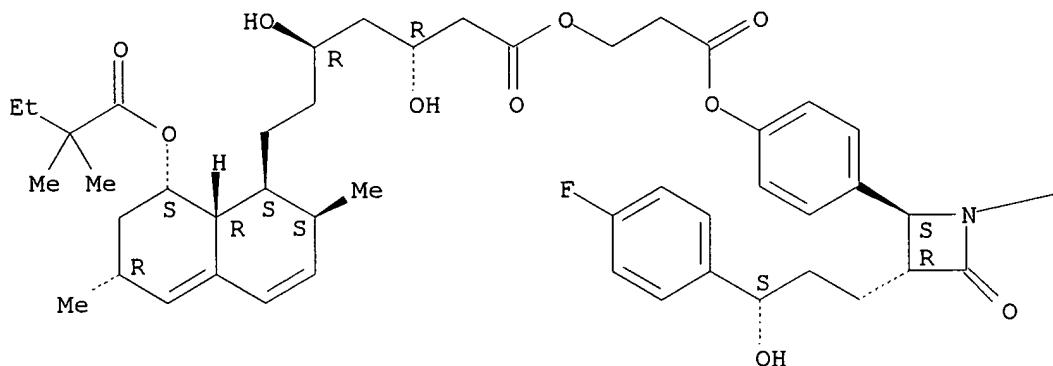
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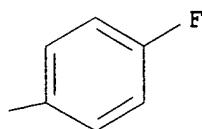
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 3-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-
 hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]-3-oxopropyl ester,
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Absolute stereochemistry.

PAGE 1-A



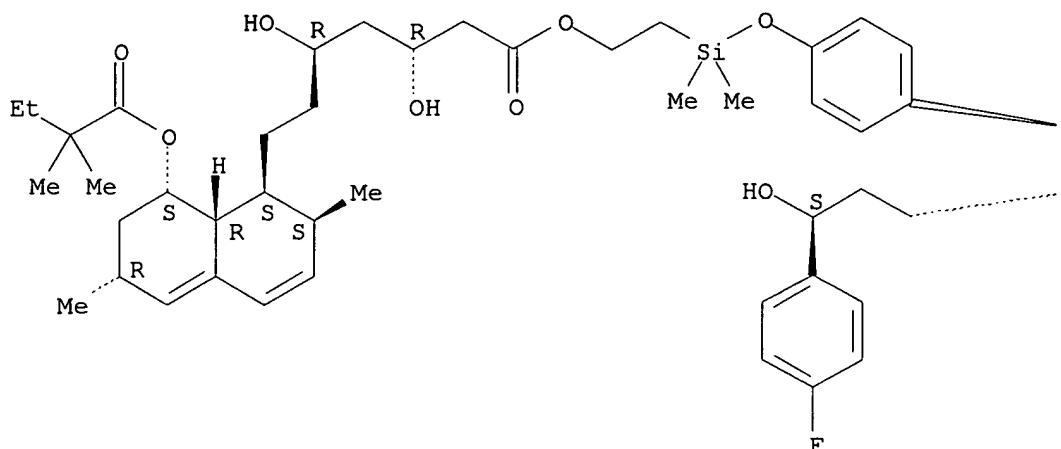
PAGE 1-B



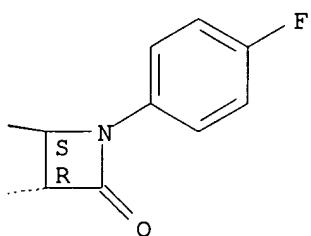
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 ester, (β R, δ R,1S,2S,6R,8S,8aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

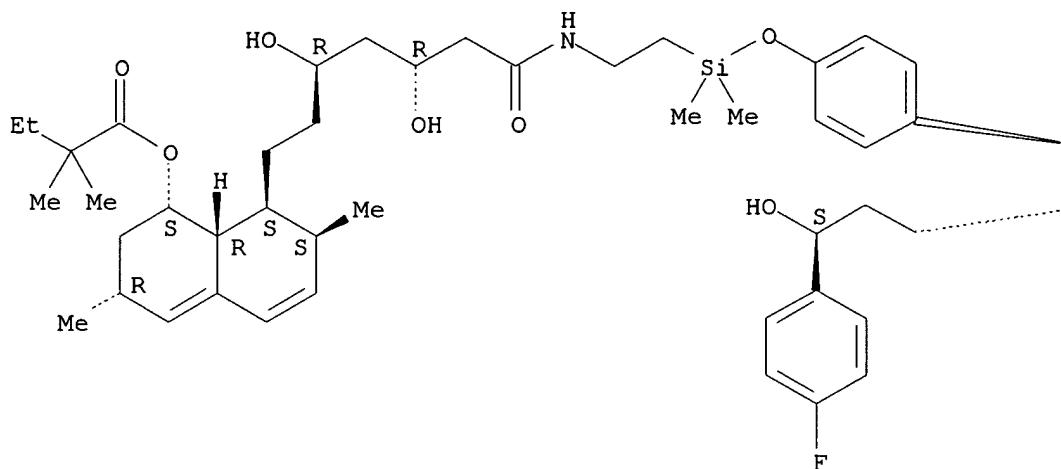


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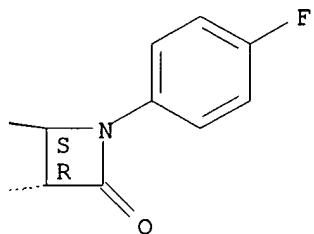
CN Butanoic acid, 2,2-dimethyl-, (1S,3R,7S,8S,8aR)-8-[(3R,5R)-7-[[2-
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o]-3,5-dihydroxy-7-oxoheptyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-
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Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



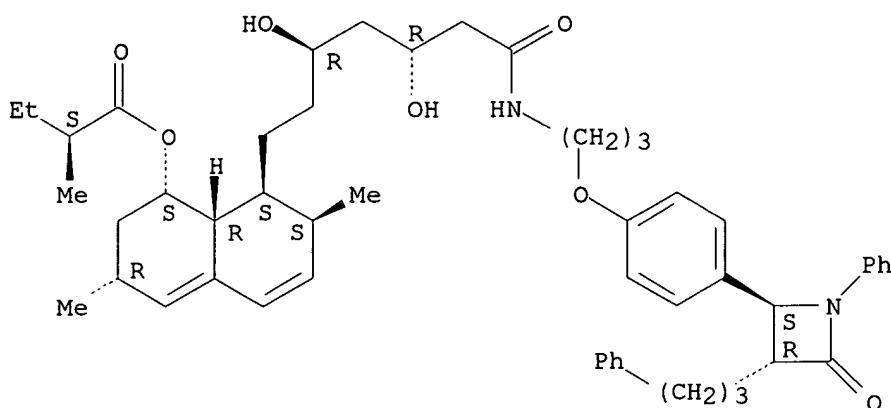
IT 760972-12-1P

(preparation of azetidinones for use in pharmaceutical compns. for treatment of vascular diseases)

RN 760972-12-1 HCPLUS

CN Butanoic acid, 2-methyl-, (1S,3R,7S,8S,8aR)-8-[(3R,5R)-3,5-dihydroxy-7-oxo-7-[[3-[4-[(2S,3R)-4-oxo-1-phenyl-3-(3-phenylpropyl)-2-azetidinyl]phenoxy]propyl]amino]heptyl]-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-1-naphthalenyl ester, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



IC ICM C07D403-12

ICS C07D205-08; A61K031-397; A61P003-06

CC 26-5 (Biomolecules and Their Synthetic Analogs)
Section cross-reference(s): 1, 63IT 760972-15-4P 760972-16-5P 760972-17-6P
760972-18-7P 760972-19-8P 760972-20-1P
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760972-24-5P 760972-25-6P 760972-26-7P

(claimed compound; preparation of azetidinones for use in pharmaceutical compns. for treatment of vascular diseases)

IT 760972-12-1P
(preparation of azetidinones for use in pharmaceutical compns. for treatment of vascular diseases)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:759822 HCAPLUS

DOCUMENT NUMBER: 141:260450

TITLE: Processes for preparation of substituted azetidinone compounds, formulations containing them and uses thereof

INVENTOR(S): Burnett, Duane A.; Clader, John W.

PATENT ASSIGNEE(S): Schering Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 30 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2004180861	A1	20040916	US 2004-792346	2004 0303
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2004
0303

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EP 1601669 A1 20051207 EP 2004-716913

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PRIORITY APPLN. INFO.: US 2003-452725P P

2003
0307WO 2004-US6428 W
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0303OTHER SOURCE(S): MARPAT 141:260450
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT
 *

AB The present invention provides substituted azetidinone compds. I [X1 = Xm; X2 = Cq; X3 = Yn; X4 = Cr; X5 = Zp; X, Y, Z = CH₂, CH-alkyl, C(Alkyl)2; Q1, Q2 = H, (C0-30-alkylene)-G, OR₆, O₂CR₆, OCO₂R₉, O₂CNR₆R₇, L-M; Q3 = 1 - 5 substituents, selected from alkyl, alkenyl, alkynyl, (C0-30-alkylene)-G, (C0-10-alkylene)-OR₆, (C0-10-alkylene)-C(:O)R₆, (C0-10-alkylene)-CO₂R₆, (C0-10-alkylene)O₂CR₆, CH:CHCOR₆, CH:CHCO₂R₆, C.tplbond.CCO₂R₆, C.tplbond.CC(:O)R₆, etc.; Q4 = ; Q5 = ; G = sugar, oligo sugar, amino sugar, amino acid, oligopeptide (2 - 9 residues), trialkylammoniumalkyl, SO₃H; L = OC(:O)C₆H₄C(:O)-4, OCO(:O)(CH₂)x1C(:O), (CH₂)x2C(:O), O(CH₂)x3C(:O), OSiMe₂(CH₂)x4C(:O), OSiMe₂(CH₂)x5OC(:O), etc.; M = statin linked through O (atorvastatin, simvastatin); R₂, R₃ = H, alkyl, aryl; R₆, R₇, R₈ = H, alkyl, aryl, aralkyl; R₉ = alkyl, aryl, aralkyl; R₁₀ = H, alkyl; q = 0, 1; r = 0, 1; m, n, p = 0 - 4 (with the proviso that, at least one of q and r = 1, and the sum of m + n + p + q + r = 1 - 6; with the proviso that when p = 0, r = 1 and the sum of m + q + n = 1 - 5); x₁ - x₁₁ = 1 - 10; with the proviso that at least one of Q1 - Q5 = L-M, mono-, di-, tri-, tetrasugar, sugar acid, amino sugar, amino acid, etc.], formulations and processes for preparing the same which can be useful for treating vascular conditions such as atherosclerosis or

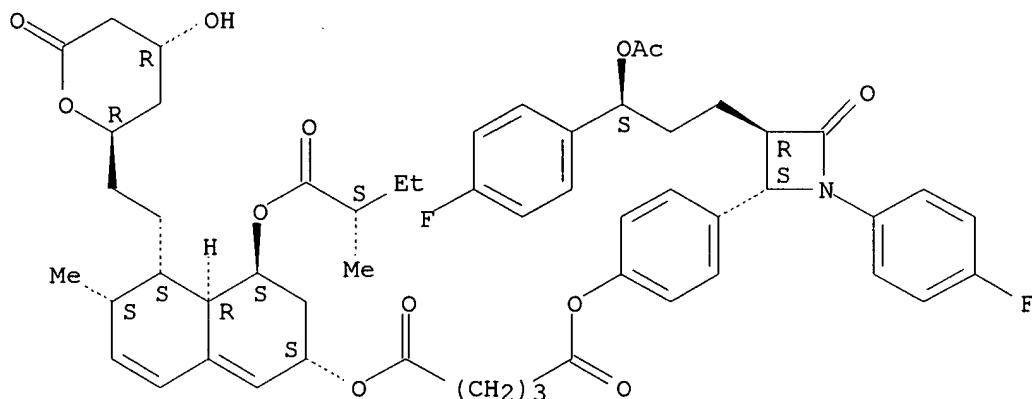
hypercholesterolemia, diabetes, obesity, stroke, demyelination and lowering plasma levels of sterols and/or stanols in a subject. Thus, azetidinone conjugate II can be prepared from ezetimibe acetate (III) via acylation with glutaric anhydride and esterification with simvastatin (IV).

IT 756821-84-8P 756821-86-0P 756821-90-6P
 756821-92-8P 756821-93-9P 756821-94-0P
 756821-95-1P 756821-96-2P
 (preparation of substituted azetidinone compds. useful for treating vascular conditions)

RN 756821-84-8 HCAPLUS

CN Pentanedioic acid, 4-[(2S,3R)-3-[(3S)-3-(acetyloxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenyl (2S,4S,4aR,5S,6S)-2,3,4,4a,5,6-hexahydro-6-methyl-4-[(2S)-2-methyl-1-oxobutoxy]-5-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-2-naphthalenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

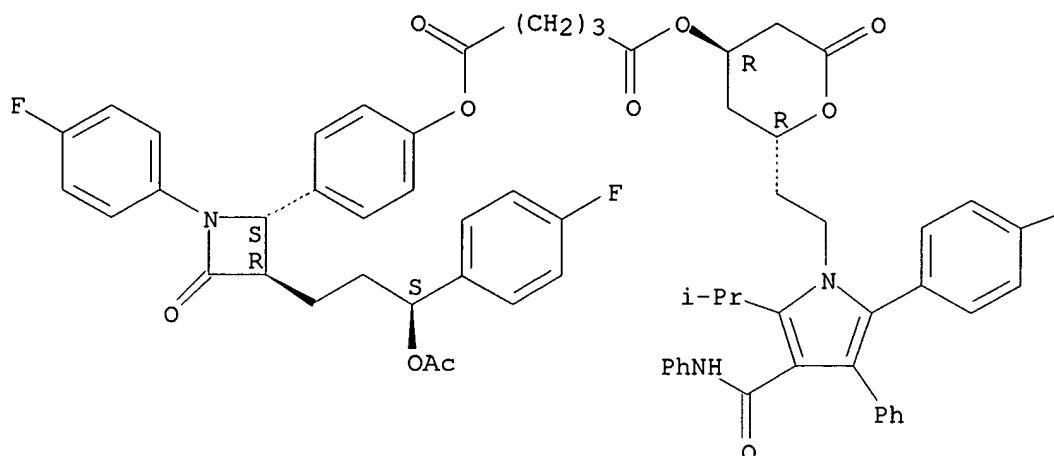


RN 756821-86-0 HCAPLUS

CN Pentanedioic acid, 4-[(2S,3R)-3-[(3S)-3-(acetyloxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenyl (2R,4R)-2-[2-[(2R,4R)-4-oxo-2-azetidinyl]phenyl-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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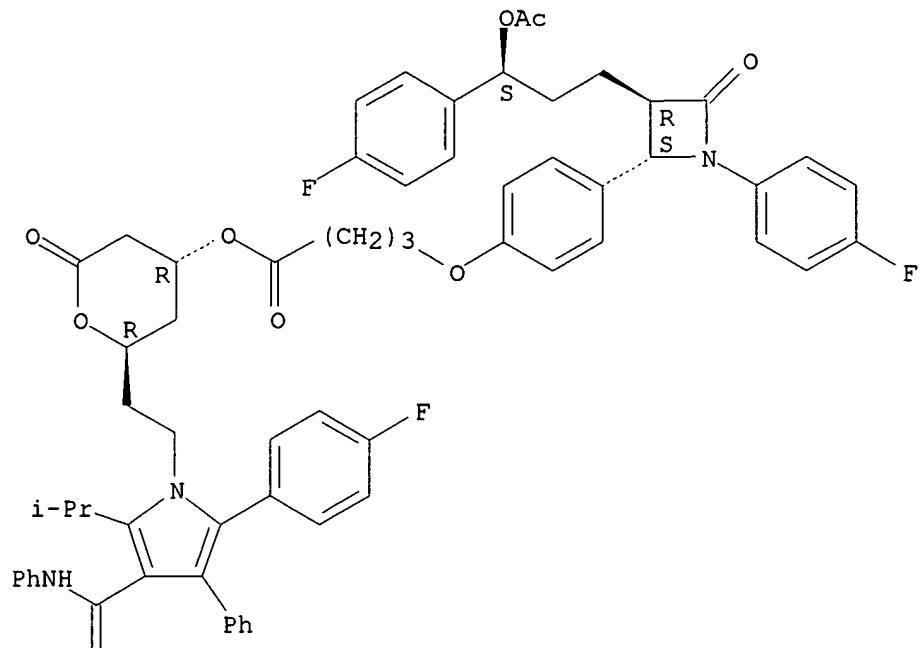
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RN 756821-90-6 HCPLUS

CN Butanoic acid, 4-[4-[(2S,3R)-3-[(3S)-3-(acetyloxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenoxy]-, (2R,4R)-2-[2-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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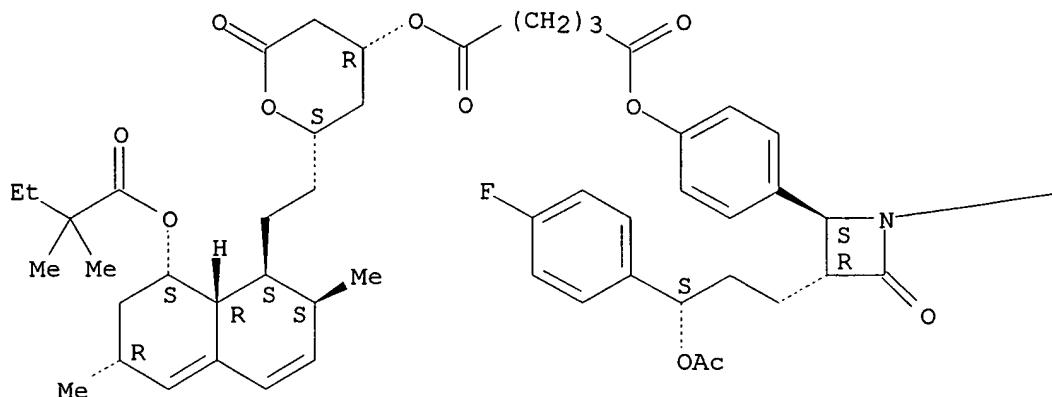


RN 756821-92-8 HCAPLUS

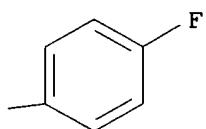
CN Pentanedioic acid, 4-[(2S,3R)-3-[(3S)-3-(acetyloxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenyl (2S,4R)-2-[2-[(1S,2S,6R,8S,8aR)-8-(2,2-dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-2,6-dimethyl-1-naphthalenyl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



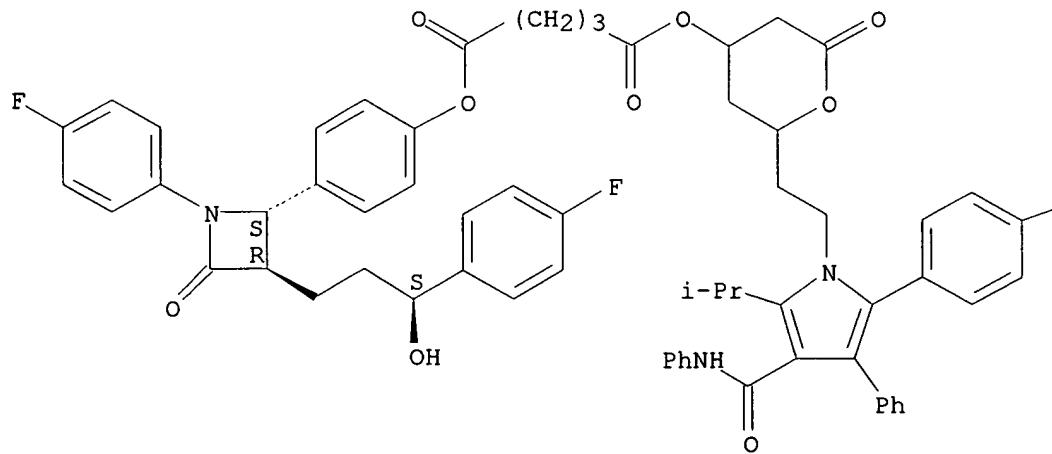
PAGE 1-B



RN 756821-93-9 HCAPLUS
 CN Pentanedioic acid, 4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenyl 2-[2-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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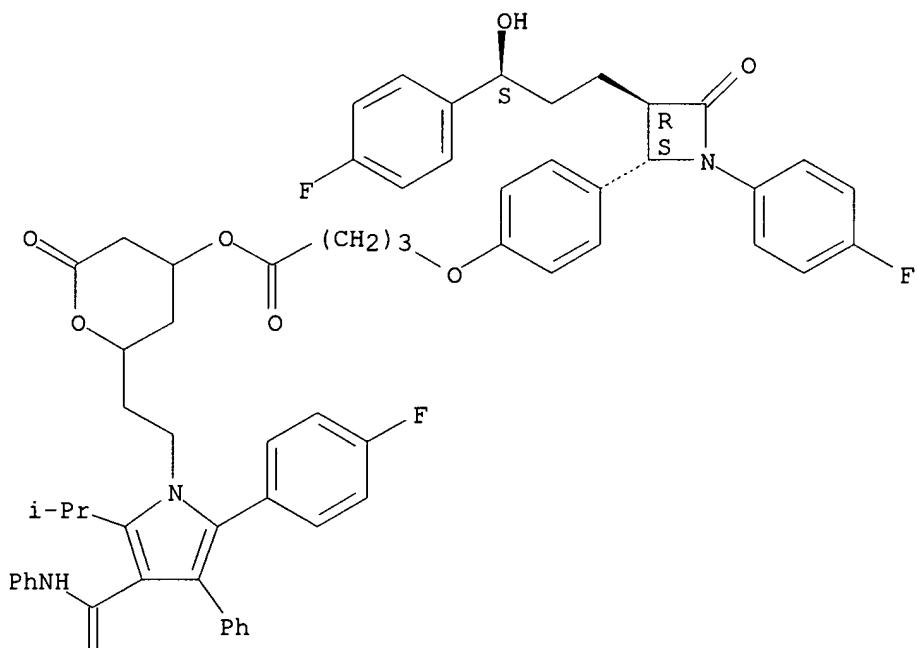
PAGE 1-B

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RN 756821-94-0 HCPLUS
 CN Butanoic acid, 4-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]-, 2-[2-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



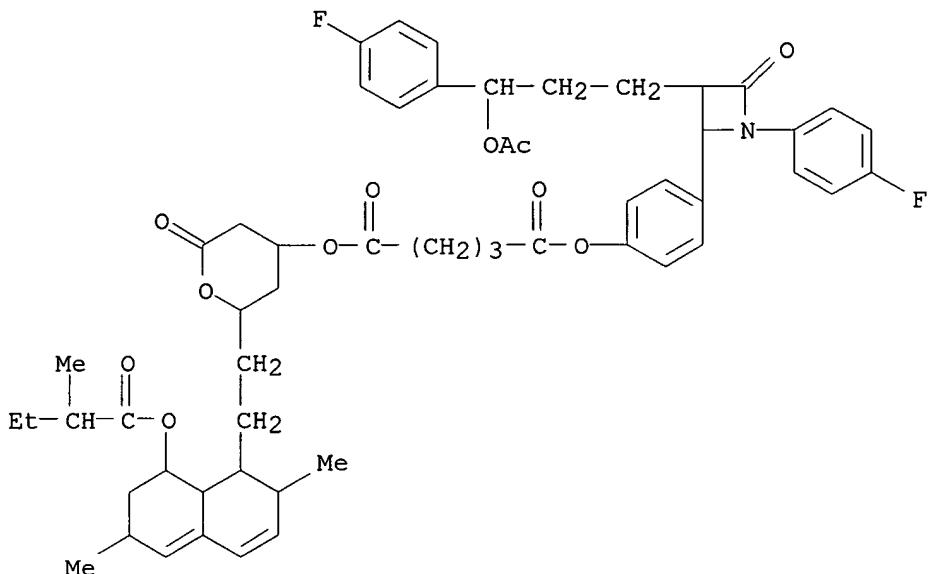
PAGE 2-A

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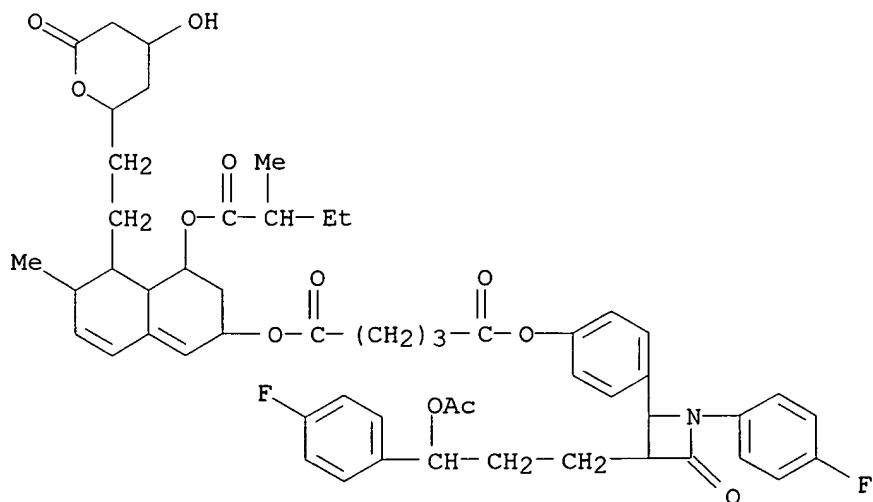
USHA SHRESTHA EIC 1700 REM 4B28

CN Pentanedioic acid, 4-[3-[3-(acetyloxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenyl 2-[2-[1,2,6,7,8,8a-hexahydro-2,6-dimethyl-8-(2-methyl-1-oxobutoxy)-1-naphthalenyl]ethyl]tetrahydro-6-oxo-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)



RN 756821-96-2 HCAPLUS

CN Pentanedioic acid, 4-[3-[3-(acetyloxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenyl 2,3,4,4a,5,6-hexahydro-6-methyl-4-(2-methyl-1-oxobutoxy)-5-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-2-naphthalenyl ester (9CI) (CA INDEX NAME)



IC ICM A61K031-675

ICS A61K031-655; A61K031-397

INCL 514079000; 514151000; 514210020; 540200000

CC 26-6 (Biomolecules and Their Synthetic Analogs)
 Section cross-reference(s): 1, 25, 33, 34, 63
 IT 756821-84-8P 756821-86-0P 756821-90-6P
 756821-92-8P 756821-93-9P 756821-94-0P
 756821-95-1P 756821-96-2P
 (preparation of substituted azetidinone compds. useful for treating
 vascular conditions)

L7 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:759821 HCAPLUS
 DOCUMENT NUMBER: 141:254573
 TITLE: Substituted azetidinone compounds, processes
 for preparing the same, formulations and uses
 thereof
 INVENTOR(S): Burnett, Duane A.; Clader, John W.
 PATENT ASSIGNEE(S): Schering Corporation, USA
 SOURCE: U.S. Pat. Appl. Publ., 35 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004180860	A1	20040916	US 2004-791979	2004 0303
CA 2517573	AA	20040923	CA 2004-2517573	2004 0303
WO 2004081004	A1	20040923	WO 2004-US6555	2004 0303

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,
 CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG,
 ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
 KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
 MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL,
 PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
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 CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
 NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM,
 GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1606287 A1 20051221 EP 2004-716968
 2004
0303

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
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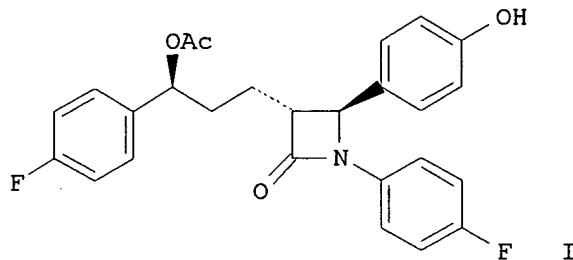
PRIORITY APPLN. INFO.: US 2003-452722P P
 2003
0307

WO 2004-US6555 W
 2004

0303

OTHER SOURCE(S) :
GI

MARPAT 141:254573



AB This invention provides for pharmaceutical formulations and processes for preparing substituted azetidinone compds. of the general form G-L-M [G = azetidinone moiety, such as I; L = linking group, such as $-OCO(CH_2)_2NH-$; M = pharmaceutically active moiety, such as simvastatin], which can be useful for treating vascular conditions such as atherosclerosis or hypercholesterolemia, diabetes, obesity, stroke, demyelination, lowering plasma levels of sterols, stanols and/or cholesterol and regulating levels of amyloid β peptides or treating Alzheimer's disease. A hypothetical in vivo evaluation of hypercholesterolemic activity using Golden Syrian hamster was presented.

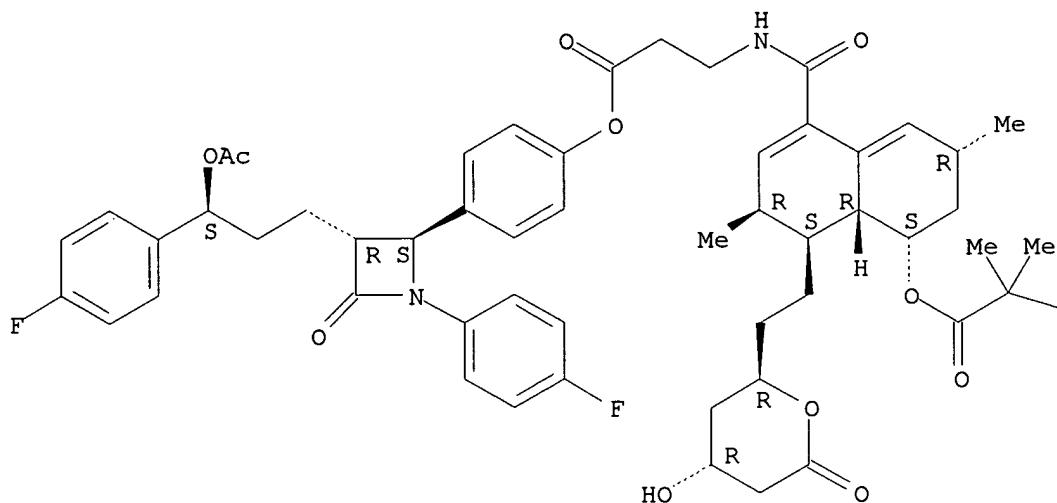
IT 756879-00-2DP, analogs
(azetidinones for use in pharmaceutical compns. for treatment of vascular diseases)

RN 756879-00-2 HCPLUS

CN β -Alanine, N-[(3R,4S,4aR,5S,7R)-5-(2,2-dimethyl-1-oxobutoxy)-3,4,4a,5,6,7-hexahydro-3,7-dimethyl-4-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1-naphthalenyl]carbonyl]-, 4-[(2S,3R)-3-[(3S)-3-(acetoxy)-3-(4-fluorophenyl)propyl]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

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IC ICM A61K031-675

ICS A61K031-655; A61K031-397

INCL 514079000; 514210020; 540200000; 514151000

CC 1-8 (Pharmacology)

Section cross-reference(s): 26, 63

IT 756879-00-2DP, analogs

(azetidinones for use in pharmaceutical compns. for treatment
of vascular diseases)